

FLA COE
FLB COE
FLD Conventional
Business Class
FLC 112 Conventional

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Cargo
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Cascadia
108SD/114SD
> New Cascadia

Freightliner
Service Bulletin

General Information

Maximum complexity harnesses are now available for New Cascadia vehicles. Maximum complexity harnesses can be used to replace existing harnesses that are experiencing service issues. In addition, stocking a single maximum complexity harness can provide coverage for many different commodity harness part numbers.

Use the instructions in this bulletin to replace existing engine, transmission, and aftertreatment (ATD) harnesses with a maximum complexity harness on New Cascadia vehicles.

Parts

See [Table 1](#) for a list of maximum complexity harness part numbers.

Part List		
Factory S80	MAX Type	MAX Part Number
S80-00032-757	MAX1	A66-15769-000
S80-00032-758	MAX1	A66-15769-000
S80-00032-760	MAX1	A66-15769-000
S80-00033-690	MAX1	A66-15769-000
S80-00041-549	MAX1	A66-15769-000
S80-00041-704	MAX1	A66-15769-000
S80-00046-128	MAX1	A66-15769-000
S80-00046-129	MAX1	A66-15769-000
S80-00046-185	MAX1	A66-15769-000
S80-00046-342	MAX1	A66-15769-000
S80-00046-374	MAX1	A66-15769-000
S80-00046-378	MAX1	A66-15769-000
S80-00046-431	MAX1	A66-15769-000
S80-00046-484	MAX1	A66-15769-000
S80-00044-795	MAX1	A66-15769-000
S80-00044-797	MAX1	A66-15769-000
S80-00046-172	MAX1	A66-15769-000
S80-00046-203	MAX1	A66-15769-000
S80-00046-147	MAX1	A66-15769-000
S80-00046-380	MAX1	A66-15769-000
S80-00046-423	MAX1	A66-15769-000
S80-00046-434	MAX1	A66-15769-000
S80-00046-457	MAX1	A66-15769-000
S80-00046-571	MAX1	A66-15769-000
S80-00046-673	MAX1	A66-15769-000
S80-00046-785	MAX1	A66-15769-000
S80-00047-069	MAX1	A66-15769-000
S80-00042-876	MAX1	A66-15769-000
S80-00044-794	MAX2	A66-15769-001
S80-00044-796	MAX2	A66-15769-001

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S80-00044-800	MAX2	A66-15769-001
S80-00046-330	MAX2	A66-15769-001
S80-00033-755	MAX2	A66-15769-001
S80-00034-091	MAX2	A66-15769-001
S80-00042-877	MAX2	A66-15769-001
S80-00046-159	MAX2	A66-15769-001
S80-00046-629	MAX2	A66-15769-001
S80-00046-691	MAX2	A66-15769-001
S80-00046-837	MAX2	A66-15769-001
S80-00046-251	MAX2	A66-15769-001
S80-00046-302	MAX2	A66-15769-001
S80-00046-469	MAX2	A66-15769-001
S80-00046-529	MAX2	A66-15769-001
S80-00046-573	MAX2	A66-15769-001
S80-00046-742	MAX2	A66-15769-001
S80-00046-769	MAX2	A66-15769-001
S80-00039-130	MAX3	A66-15769-002
S80-00039-238	MAX3	A66-15769-002
S80-00045-225	MAX3	A66-15769-002
S80-00046-131	MAX3	A66-15769-002
S80-00046-208	MAX3	A66-15769-002
S80-00046-438	MAX3	A66-15769-002
S80-00046-460	MAX3	A66-15769-002
S80-00046-462	MAX3	A66-15769-002
S80-00046-471	MAX3	A66-15769-002
S80-00046-569	MAX3	A66-15769-002
S80-00046-496	MAX3	A66-15769-002
S80-00046-642	MAX3	A66-15769-002
S80-00046-665	MAX3	A66-15769-002
S80-00046-967	MAX3	A66-15769-002
S80-00042-427	MAX3	A66-15769-002
S80-00042-588	MAX3	A66-15769-002
S80-00046-155	MAX3	A66-15769-002
S80-00046-640	MAX3	A66-15769-002
S80-00046-667	MAX3	A66-15769-002
S80-00046-754	MAX3	A66-15769-002
S80-00046-827	MAX3	A66-15769-002
S80-00047-700	MAX3	A66-15769-002
S80-00048-282	MAX3	A66-15769-002
S80-00043-398	MAX3	A66-15769-002
S80-00046-405	MAX3	A66-15769-002

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S80-00046-810	MAX3	A66-15769-002
S80-00046-902	MAX3	A66-15769-002
S80-00047-134	MAX3	A66-15769-002
S80-00047-995	MAX3	A66-15769-002
S80-00042-875	MAX3	A66-15769-002
S80-00045-119	MAX3	A66-15769-002
S80-00046-142	MAX3	A66-15769-002
S80-00046-272	MAX3	A66-15769-002
S80-00046-284	MAX3	A66-15769-002
S80-00046-295	MAX3	A66-15769-002
S80-00046-617	MAX3	A66-15769-002
S80-00046-630	MAX3	A66-15769-002
S80-00046-690	MAX3	A66-15769-002
S80-00046-808	MAX3	A66-15769-002
S80-00047-456	MAX3	A66-15769-002
S80-00047-785	MAX3	A66-15769-002
S80-00048-088	MAX3	A66-15769-002
S80-00044-764	MAX4	A66-15769-003
S80-00046-341	MAX4	A66-15769-003
S80-00048-079	MAX4	A66-15769-003
S80-00048-187	MAX4	A66-15769-003
S80-00048-388	MAX4	A66-15769-003
S80-00042-771	MAX4	A66-15769-003
S80-00043-433	MAX4	A66-15769-003
S80-00046-909	MAX4	A66-15769-003
S80-00045-219	MAX4	A66-15769-003
S80-00047-973	MAX4	A66-15769-003
S80-00032-762	MAX5	A66-15769-004
S80-00032-759	NONE *	—

* There is no coverage option for MAX6 harnesses. This harness is not available to order.

Table 1, Part List

Instructions

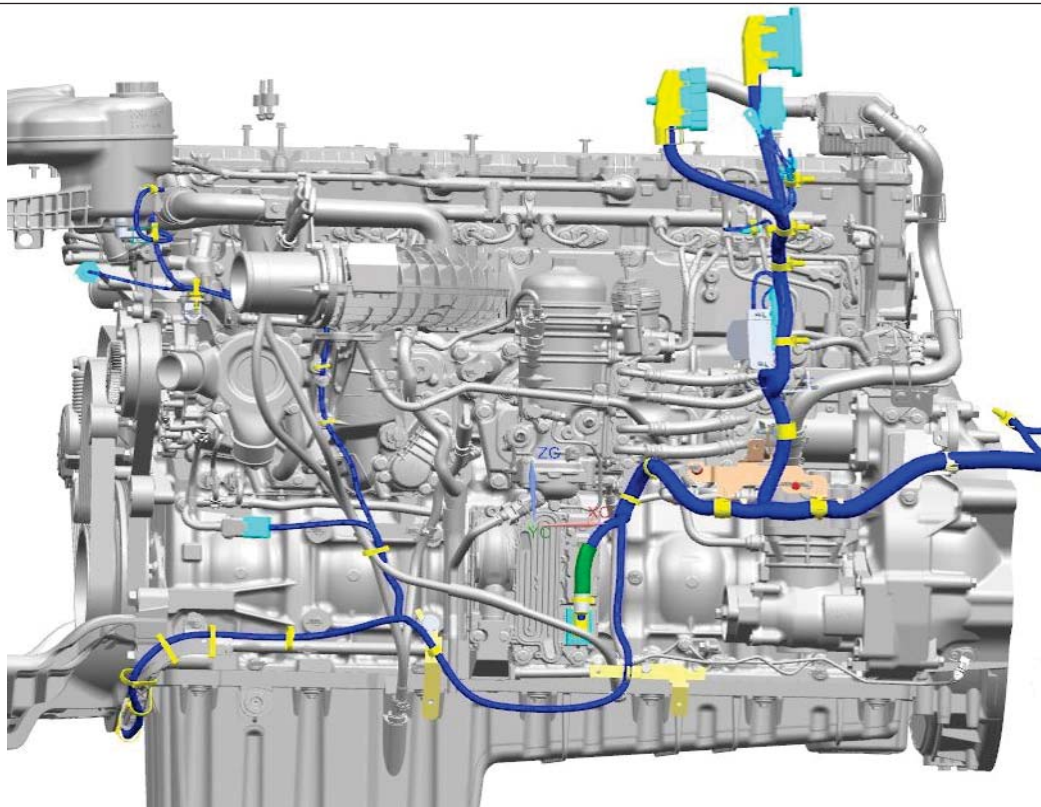
1. Park the vehicle, shut down the engine, and apply the parking brakes. Chock the tires.
2. Disconnect the batteries
3. Remove the side fairings, the access steps, and the quarter fenders on both sides of the vehicle. Refer to **Section 31.03** in the *New Cascadia Workshop Manual* for instructions.
4. Disconnect and remove all connectors, clamps, and clippings as needed from the bulkhead connector, and the engine, transmission, and aftertreatment (ATD) harnesses. See [Fig. 1](#) , [Fig. 2](#) and [Fig. 3](#).

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01/17/2019

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Fig. 1, Engine Harness

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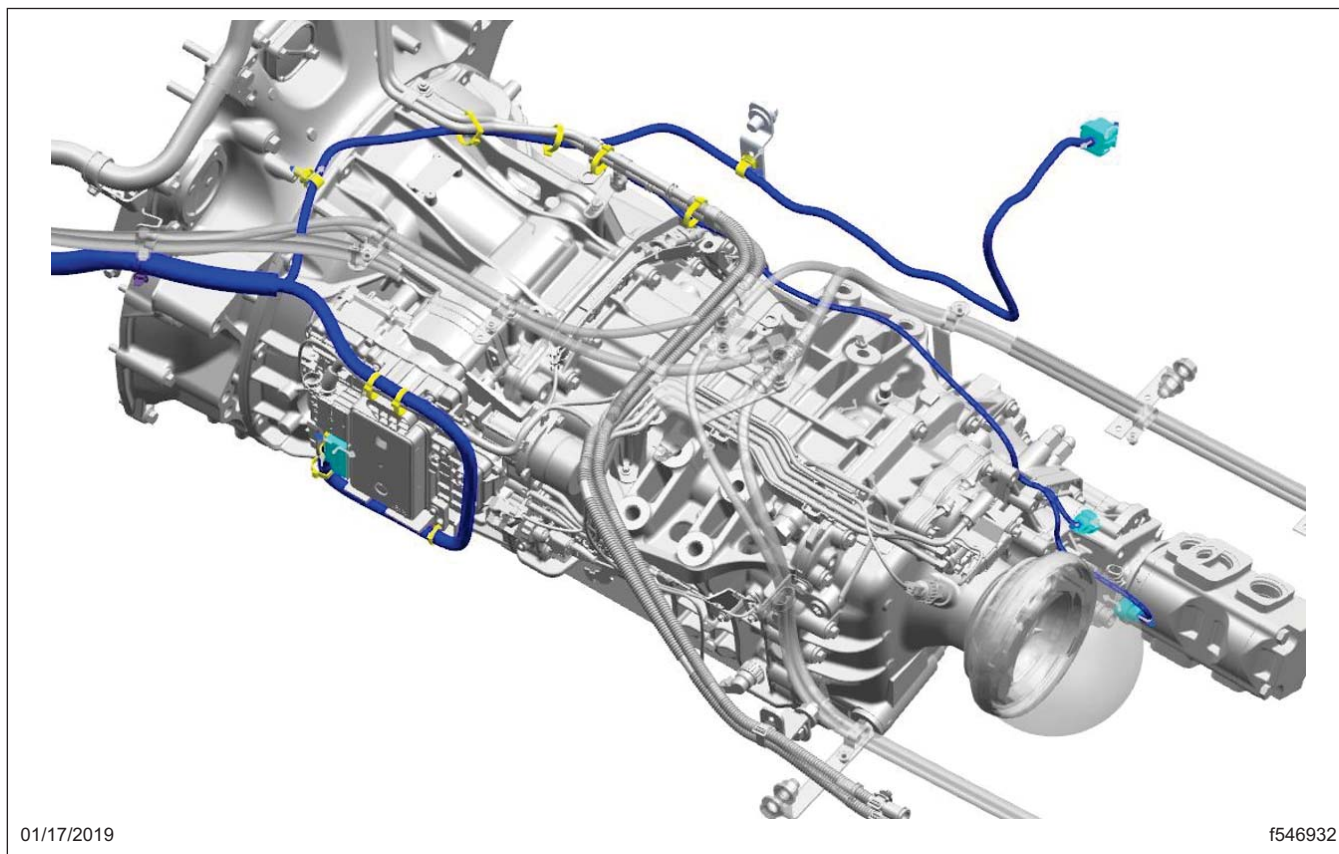


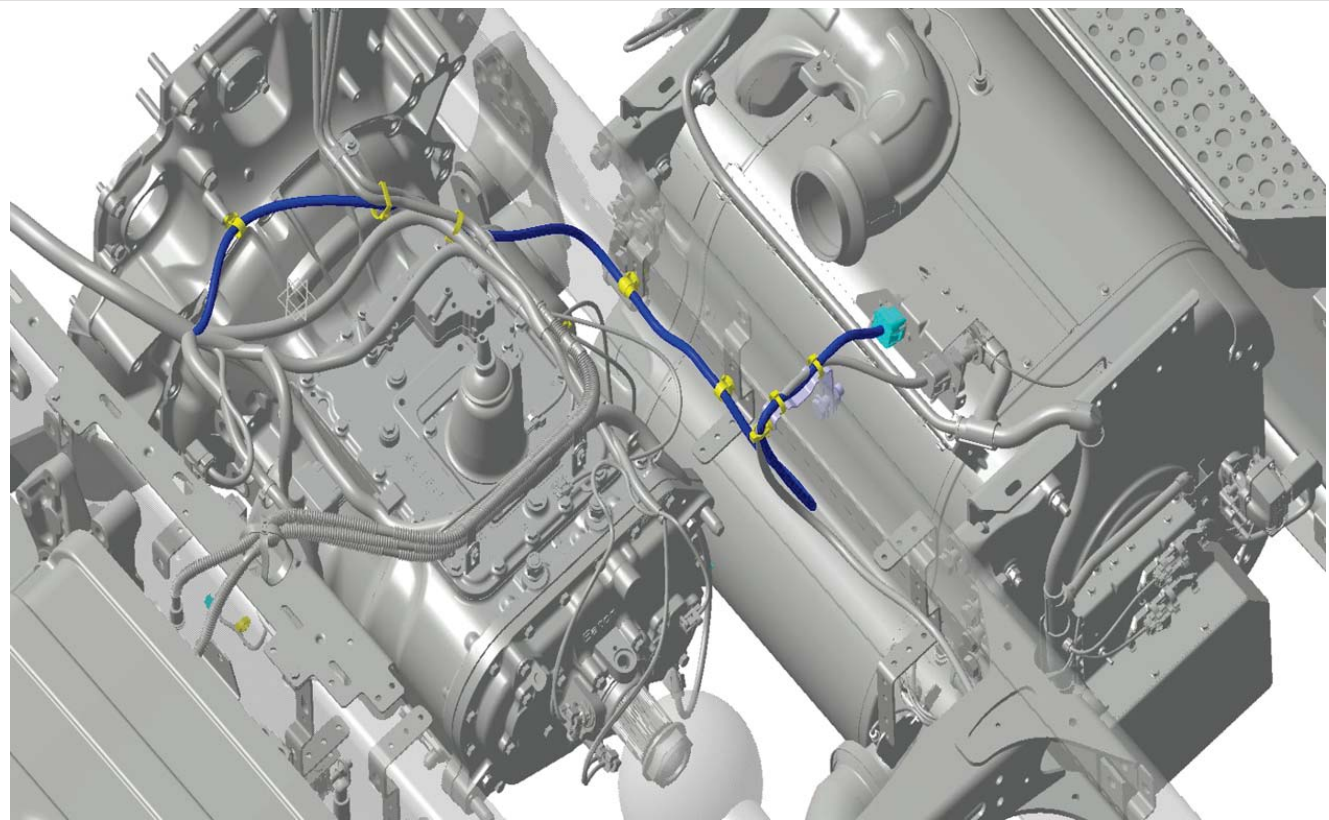
Fig. 2, Transmission Harness

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01/17/2019

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Fig. 3, Aftertreatment (ATD) Harness

5. Compare the new harness to the harnesses removed in order to verify connector compatibility, circuits, and harness length.
6. Install the new harness, and route as indicated in the following installation drawings:
 - **Engine Harness:** D66-06132
 - **Transmission Harness:** D06-95268
 - **Aftertreatment (ATD) Harness:** D66-03233
 - **Maximum Complexity Harness:** A66-15769
7. Connect all electrical connectors.
8. Secure the harness with clamps, brackets, and clipping points using the installation drawings. Start at the harness yellow tape index points.
9. Install the side fairings, the access steps, and the quarter fenders on both sides of the vehicle. Refer to **Section 31.03** in the *New Cascadia Workshop Manual* for instructions.

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Warranty

This procedure is warrantable only if the described condition exists and the repair is performed within the applicable base or extended coverage warranty period. If a failure is not found, this procedure is considered preventive and warranty does not apply.

Normal warranty applies. See [Table 2](#) for OWL VMRS codes and labor allowance information. Enter this service bulletin number in the *Service Bulletin #* field.

OWL VMRS Codes and Labor Allowance					
Primary Failed Part	Component Code	Cause Code	SRT Code	Description	Time: Hours
HARN,ENGINE,P4,10/OBD16/GHG17	034-004-217	03	286-5100A	ENGINE HARNESS, MAX COMPLEXITY , R/R	3.4

Table 2, OWL VMRS Codes and Labor Allowance